

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 04-208085  
 (43)Date of publication of application : 29.07.1992

---

(51)Int.CI. H02P 5/17

---

(21)Application number : 02-339029 (71)Applicant : OMRON CORP  
 (22)Date of filing : 30.11.1990 (72)Inventor : NOZOE SATOSHI  
 OMORI KOJI

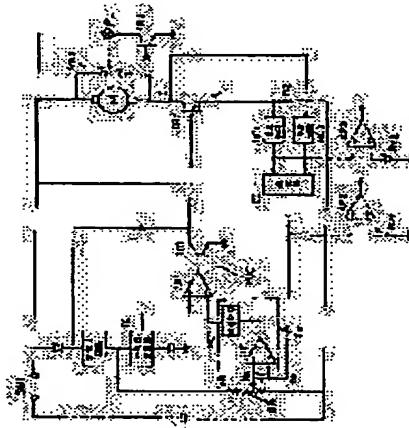
---

## (54) DC MOTOR CONTROL CIRCUIT

### (57)Abstract:

**PURPOSE:** To facilitate automatic control of a DC motor so as to have a required revolution and torque by a method wherein a short-circuit switch is eliminated and the revolution and torque of the DC motor are controlled in accordance with the whole actuation stroke of an actuating lever.

**CONSTITUTION:** A power supply E, a DC motor M and a motor current switching device TR2 are provided in a motor-driven tool. The switching parts D and S of the motor current switching device TR2 are connected between the power supply E and the motor M. As for a power supply switch SW1 and a braking contact SW2, when the actuating lever of the motor-driven tool is on a free position, the power supply switch SW1 is opened and the braking contact SW2 is closed. That is, a short-circuit switch is eliminated and the revolution and torque of the DC motor M are controlled in accordance with the whole actuation stroke of the actuating lever. With this constitution, the DC motor M is automatically controlled at a desired rotational speed and torque within a range of the whole actuation stroke of the actuating lever.




---

## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office